

Network Working Group
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Initial Connection Protocol Control Commands

The following is my interpretation of the exchange between NCP's which would be necessary to carry out the Initial Connection Protocol of RFC #123. (This note corrects an error pointed out by Eric Harslem of RAND)

Server NCP

Listen for Connection on L
 STR, L, U, 32

Send 32 bits of data
 in 1 message on link ℓ_A
 (value is S)

CLS, L, U
 STR, S+1, $(U+1)$, B_S
 RTS, S, U+1, ℓ_B
 wait for connection
 ALL, ℓ_B , m_B , b_B

data sent on link ℓ_C
 data received on link ℓ_B

User NCP

RTS, U, L, ℓ_A
 ALL, ℓ_A , 1, 32

Receive 32 bits of data
 from link ℓ_A (value is S)

CLS, U, L
 STR, U+1, S, B_u
 RTS, U, S+1, ℓ_C
 wait for connection
 ALL, ℓ_C , m_c , b_c

data sent on link ℓ_B
 data received on link ℓ_C

ℓ_A , ℓ_B , and ℓ_C are links, m_B and m_c are message allocations, b_B and b_c are bit allocations, and all other symbols are as defined in RFC #123.